



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

CLEVELAND ET AL.

Atty. Ref.: 839-1466

Serial No. 10/635,435

Group: 3746

Filed: August 7, 2003

Examiner: Unassigned

For: PERIMETER-COOLED TURBINE BUCKET AIRFOIL
COOLING HOLE LOCATION, STYLE AND CONFIGURATION

* * * * *

December 17, 2003

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

**SUBMISSION OF EXCLUSIVE SUBSTITUTE POWER
OF ATTORNEY AND EXCLUSIVE PROSECUTION HEREAFTER
BY ASSIGNEE UNDER 37 C.F.R. §§ 1.36, 3.71 AND 3.73**

Submitted herewith is an Exclusive Substitute Power of Attorney and Exclusive
Prosecution Hereafter by Assignee under 37 C.F.R. §§ 1.36, 3.71 and 3.73

Respectfully submitted,

NIXON & VANDERHYE P.C.

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UNITED STATES PATENT AND TRADEMARK OFFICE

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* * * * *

Assistant Commissioner for Patents

Washington, DC 20231

Sir:

**EXCLUSIVE SUBSTITUTE POWER OF ATTORNEY
AND EXCLUSIVE PROSECUTION HEREAFTER BY
ASSIGNEE UNDER 37 C.F.R. §§ 1.36, 3.71 AND 3.73**

The undersigned being the owner of all right, title and interest in the above-identified patent application, hereby revokes all previous powers of attorney in this case, if any, and hereby appoints the attorneys of **Customer Number 30024** individually and collectively its attorneys to prosecute this application and to transact all business in the Patent and Trademark Office in connection therewith, and with the resulting patent.

I also authorize Nixon & Vanderhye to act and rely solely on instructions communicated from the person, attorney, firm or other organization sending instructions to Nixon & Vanderhye on behalf of the owner.

CLEVELAND ET AL.
Serial No. Unassigned

Certificate Under 37 C.F.R. §3.73(b)

I hereby certify that General Electric Company of 1 River Road, Schenectady, NY 12345 is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventors to the aforesaid assignee, a copy of the assignment being attached.

I have reviewed the documents in the chain of title of the patent application identified above, and to the best of my knowledge and belief, title is in the aforesaid assignee for which I am empowered to act in this matter.

I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

GENERAL ELECTRIC COMPANY

August 7, 2003
Date

By:

Name:
Title:

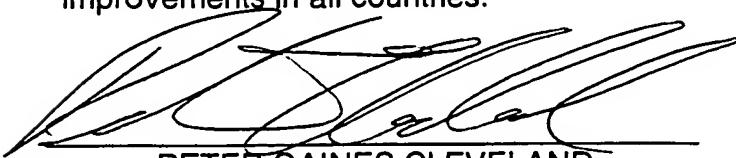
Ernest G. Cusick
Patent Counsel

ASSIGNMENT

In accordance with obligations entered into pursuant to an Employee Innovation and Proprietary Information Agreement or other agreement and/or for other good and valuable consideration of which we acknowledge receipt, we, PETER GAINES CLEVELAND and THOMAS BRADLEY BEDDARD, of 1409 Roper Mountain Rd., #581, Greenville, South Carolina 29615 and 406 Fairdale Drive, Simpsonville, South Carolina 29681, respectively, hereby sell and assign to General Electric Company, a New York Corporation, having an address at 1 River Road, Schenectady, New York 12345, USA, (hereinafter referred to as "Company"), its successors and assigns our entire respective right(s), title(s) and interest(s) in and to the invention and improvements invented and originated by us and described in the application for United States Patent currently entitled PERIMETER-COOLED TURBINE BUCKET AIRFOIL COOLING HOLE LOCATION, STYLE AND CONFIGURATION and 136389

signed as of even date,
 signed as of _____, or
 filed on _____ having Serial Number

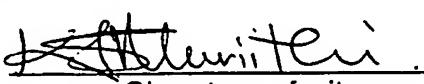
and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, reexaminations and reissues thereof, and all rights of priority resulting from the filing of said United States application, and authorize and request any official whose duty it is to issue patents, to issue any patent on said inventions and improvements resulting therefrom to said Company, or its successors or assigns and agree that on request and without further consideration, but at the expense of said Company, we will communicate to said Company or its representatives or nominees any facts known to us respecting said inventions and improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, reexamination and reissue applications, make all rightful oaths and generally do everything possible to aid said Company, its successors, assigns, and nominees to obtain and enforce proper patent protection for said invention and its improvements in all countries.



PETER GAINES CLEVELAND

8/4/2003
Date

Witnessed by:

Name:  Date: 08/04/2003
Signature of witness

Name: Kahwai G. Muriithi
Printed name of witness
Signature of witness
Daniel David Snook
Printed name of witness

STATE OF _____)
ss):

COUNTY OF _____)

This _____ day of _____, 2003, before me personally came the above-named, PETER GAINES CLEVELAND, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Notary Public

My Commission Expires: _____



THOMAS BRADLEY BEDDARD

08/04/03

Date

Witnessed by:

Name: Tim BoernerDate: 8/5/03

Signature of witness

Tim Boerner

Printed name of witness

Name: Michelle B. SchottDate: 8/5/03

Signature of witness

Michelle B. Schott

Printed name of witness

STATE OF _____)

ss):

COUNTY OF _____)

This _____ day of _____, 2003, before me personally came the above-named, THOMAS BRADLEY BEDDARD, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Notary Public

My Commission Expires: _____